Lin Meng

List of Publications by Year
in descending order

93 papers	838 citations	759055 12 h-index	642610 23 g-index
95 all docs	95 docs citations	95 times ranked	515 citing authors

#	Article	IF	Citations
1	Underwater-Drone With Panoramic Camera for Automatic Fish Recognition Based on Deep Learning. IEEE Access, 2018, 6, 17880-17886.	2.6	102
2	Volunteer Assisted Collaborative Offloading and Resource Allocation in Vehicular Edge Computing. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3247-3257.	4.7	79
3	A HOG-SVM Based Fall Detection IoT System for Elderly Persons Using Deep Sensor. Procedia Computer Science, 2019, 147, 276-282.	1.2	43
4	Machine learning-based real-time visible fatigue crack growth detection. Digital Communications and Networks, 2021, 7, 551-558.	2.7	39
5	Oracle Bone Inscription Detector Based on SSD. Lecture Notes in Computer Science, 2019, , 126-136.	1.0	29
6	YOLO-GD: A Deep Learning-Based Object Detection Algorithm for Empty-Dish Recycling Robots. Machines, 2022, 10, 294.	1.2	27
7	Fall detection for elderly persons using a depth camera. , 2017, , .		21
8	A Privacy Protected Fall Detection IoT System for Elderly Persons Using Depth Camera. , 2018, , .		19
9	A Low-Cost Edge Server Placement Strategy in Wireless Metropolitan Area Networks. , 2018, , .		19
10	Detecting cracks on a concrete surface using histogram of oriented gradients. , 2015, , .		18
11	Recognition of Oracle Bone Inscriptions by Extracting Line Features on Image Processing. , 2017, , .		17
12	Two-Stage Recognition for Oracle Bone Inscriptions. Lecture Notes in Computer Science, 2017, , 672-682.	1.0	16
13	An architecture-level analysis on deep learning models for low-impact computations. Artificial Intelligence Review, 2023, 56, 1971-2010.	9.7	16
14	Robust Self-Adaptation Fall-Detection System Based on Camera Height. Sensors, 2019, 19, 3768.	2.1	14
15	Discussion on Machine Learning and Deep Learning based Makeup Considered Eye Status Recognition for Driver Drowsiness. Procedia Computer Science, 2019, 147, 264-270.	1.2	14
16	Ancient Asian Character Recognition for Literature Preservation and Understanding. Lecture Notes in Computer Science, 2018, , 741-751.	1.0	14
17	Machine Learning-Based Classification of Human Behaviors and Falls in Restroom via Dual Doppler Radar Measurements. Sensors, 2022, 22, 1721.	2.1	14
18	The Early Japanese Books Text Line Segmentation base on Image Processing and Deep Learning. , 2019, , .		13

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19	A Method of Japanese Ancient Text Recognition by Deep Learning. Procedia Computer Science, 2020, 174, 276-279.	1.2	13
20	Novel List Scheduling Strategies for Data Parallelism Task Graphs. International Journal of Networking and Computing, 2014, 4, 279-290.	0.3	13
21	QoE-Constrained Concurrent Request Optimization Through Collaboration of Edge Servers. IEEE Internet of Things Journal, 2019, 6, 9951-9962.	5.5	12
22	Online Scheduling Optimization for DAG-Based Requests Through Reinforcement Learning in Collaboration Edge Networks. IEEE Access, 2020, 8, 72985-72996.	2.6	12
23	From SOA to VOA: A Shift in Understanding the Operation and Evolution of Service Ecosystem. IEEE Transactions on Services Computing, 2021, , 1-1.	3.2	12
24	Optimizing the Deep Neural Networks by Layer-Wise Refined Pruning and the Acceleration on FPGA. Computational Intelligence and Neuroscience, 2022, 2022, 1-22.	1.1	12
25	Dangerous Situation Detection for Elderly Persons in Restrooms Using Center of Gravity and Ellipse Detection. Journal of Robotics and Mechatronics, 2017, 29, 1057-1064.	0.5	11
26	Boundary Region Detection for Continuous Objects in Wireless Sensor Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-13.	0.8	11
27	Distance Measurement and Camera Calibration based on Binocular Vision Technology. , 2018, , .		10
28	A Comprehensive Analysis of Low-Impact Computations in Deep Learning Workloads. , 2021, , .		10
29	Real-time medicine packet recognition system in dispensing medicines for the elderly. Measurement: Sensors, 2021, 18, 100072.	1.3	10
30	Recognition of Oracle Bone Inscriptions Using Deep Learning based on Data Augmentation. , 2018, , .		9
31	Recognition of Oracular Bone Inscriptions Using Template Matching. International Journal of Computer Theory and Engineering, 2016, 8, 53-57.	3.2	9
32	Recognition of Oracle Bone Inscriptions by using Two Deep Learning Models. International Journal of Digital Humanities, 0, , 1.	1.1	9
33	Segmentation and Classification of White Blood Cells Using the UNet. Contrast Media and Molecular Imaging, 2022, 2022, 1-8.	0.4	9
34	Signature Recognition and Verification Using Multiple Classifiers Combination of Huâ€™s and HOG Features. , 2019, , .		8
35	Apathy Classification Based on Doppler Radar Image for the Elderly Person. Frontiers in Bioengineering and Biotechnology, 2020, 8, 553847.	2.0	8
36	A high-efficiency dirty-egg detection system based on YOLOv4 and TensorRT. , 2021, , .		8

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37	Detection of Peripheral Malarial Parasites in Blood Smears Using Deep Learning Models. Computational Intelligence and Neuroscience, 2022, 2022, 1-11.	1.1	8
38	A survey of Convolutional Neural Networks â€"From software to hardware and the applications in measurement. Measurement: Sensors, 2021, 18, 100080.	1.3	7
39	DKNet: Deep Kuzushiji Characters Recognition Network. IEEE Access, 2022, 10, 75872-75883.	2.6	7
40	An Edge Computing Based Fall Detection System for Elderly Persons. Procedia Computer Science, 2020, 174, 9-14.	1.2	6
41	Briefly Analysis about CNN Accelerator based on FPGA. Procedia Computer Science, 2022, 202, 277-282.	1.2	6
42	A Skeleton Analysis Based Fall Detection Method Using ToF Camera. Procedia Computer Science, 2021, 187, 252-257.	1.2	5
43	Deep Leaning based Medicine Packaging Information Recognition for Medication Use in the Elderly. Procedia Computer Science, 2021, 187, 194-199.	1.2	5
44	Stereo Vision-Based Depth Estimation. Advances in Intelligent Systems and Computing, 2021, , 1209-1216.	0.5	5
45	Three-States-Transition Method for Fall Detection Algorithm Using Depth Image. Journal of Robotics and Mechatronics, 2019, 31, 88-94.	0.5	5
46	Deep Learning based Emotion Recognition IoT System. , 2020, , .		5
47	Lucas-Kanade Optical Flow Based Camera Motion Estimation Approach. , 2019, , .		4
48	A Genetic Algorithm for Scheduling of Data-parallel Tasks on Multicore Architectures. IPSJ Transactions on System LSI Design Methodology, 2019, 12, 74-77.	0.5	4
49	Machine Learning Based Features Matching for Fatigue Crack Detection. Procedia Computer Science, 2020, 174, 101-105.	1.2	4
50	Machine Learning based Apathy Classification on Doppler Radar Image for the Elderly Person. Procedia Computer Science, 2021, 187, 146-151.	1.2	4
51	Deep Learning Based Ancient Asian Character Recognition. , 2020, , .		4
52	Deep Learning and Image Processing Combined Organization of Shirakawaâ€™s Hand-Notated Documents on OBI Research. , 2021, , .		4
53	A dual-mode scheduling approach for task graphs with data parallelism. International Journal of Embedded Systems, 2017, 9, 147.	0.2	3
54	The Development of Underwater-Drone equipped with 360-degree Panorama Camera in Opensource Hardware. Procedia Computer Science, 2018, 129, 438-442.	1.2	3

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55	Gender Classification of Elderly People using Doppler Radar Images based on Machine Learning. , 2019, , .		3
56	Deep Learning and Lexical Analysis Combined Rubbing Character Recognition. , 2019, , .		3
57	Deep Learning based Ancient Literature Recognition and Preservation. , 2019, , .		3
58	Dynamic human contact prediction based on naive Bayes algorithm in mobile social networks. Software - Practice and Experience, 2020, 50, 2031-2045.	2.5	3
59	Danger situations detection for the senior in toilet room using the center of gravity. , 2016, , .		3
60	List Scheduling Strategies for Task Graphs with Data Parallelism. , 2013, , .		2
61	A toilet danger detection system for aged people. , 2014, , .		2
62	A Dynamic Height Analysis on Vision Based Fall Detection System. , 2019, , .		2
63	Camera Motion Estimation and optimization Approach. , 2019, , .		2
64	Camera motion estimation algorithm for IoT devices based on optimized feature tracking method. Procedia Computer Science, 2020, 174, 22-26.	1.2	2
65	A self-learning fall detection system for elderly persons using depth camera. International Journal of Advanced Mechatronic Systems, 2020, 8, 16.	0.1	2
66	A branch-and-bound approach to scheduling of data-parallel tasks on multi-core architectures. International Journal of Embedded Systems, 2020, 12, 125.	0.2	2
67	Pneumonia Diagnosis on Chest X-Rays with Machine Learning. Procedia Computer Science, 2021, 187, 42-51.	1.2	2
68	Unlocking Potential Knowledge Hidden in Rubbing:. Lecture Notes in Computer Science, 2018, , 762-771.	1.0	2
69	South Indian Character Recognition Using Statistical Feature Extraction and Distance Classifier. , 2020, , .		2
70	AI-based Prevention Embedded System Against COVID-19 in Daily Life. Procedia Computer Science, 2022, 202, 152-157.	1.2	2
71	Multiple States Fall Detection System for Senior Citizens. , 2019, , .		1
72	Detection and Classification of Human Motion in Blind Area Using Micro-Doppler Radar: Fundamental Experiments Toward the Prediction of Dash-out from Blind Area. , 2019, , .		1

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73	Deep learning-based elderly gender classification using Doppler radar. Personal and Ubiquitous Computing, 2022, 26, 1067-1079.	1.9	1
74	A Neck-Floor Distance Analysis-Based Fall Detection System Using Deep Camera. Advances in Intelligent Systems and Computing, 2021, , 1113-1120.	0.5	1
75	Motion estimation-based inclination measurement of industrial assembly platform. International Journal of Advanced Mechatronic Systems, 2020, 8, 155.	0.1	1
76	Frame Detection and Text Line Segmentation for Early Japanese Books Understanding. , 2020, , .		1
77	A self-learning fall detection system for elderly persons using depth camera. International Journal of Advanced Mechatronic Systems, 2020, 8, 16.	0.1	1
78	Feature Classification-Based Inclination Measurement for Industrial Assembly Platform. Wireless Communications and Mobile Computing, 2022, 2022, 1-8.	0.8	1
79	Tracking control of lower limb exoskeleton robot based on human plantar reaction force. , 2021, , .		1
80	Computer-assisted Ancient Documents Re-organization. Procedia Computer Science, 2022, 202, 295-300.	1.2	1
81	Control Independence Using Dual Renaming. , 2010, , .		0
82	A CAM-Based Separated BTB for a Superscalar Processor. , 2013, , .		0
83	Scheduling on a superscalar processor using the chain technique. , 2014, , .		0
84	Combining ALU chaining with two-direction address renaming load value prediction. International Journal of Advanced Mechatronic Systems, 2014, 6, 53.	0.1	0
85	A dual-mode scheduling algorithm for task graphs with data parallelism. , 2014, , .		0
86	An optimal scheduling for using chain technique on superscalar processor. International Journal of Advanced Mechatronic Systems, 2015, 6, 211.	0.1	0
87	Artificial Haze Immune Algorithm for Image Processing. , 2016, , .		0
88	An approach for signature recognition using contours based technique. , 2019, , .		0
89	Front vehicle detection based on parallel Blob detection using quad-pipeline on FPGA. International Journal of Modelling, Identification and Control, 2019, 33, 20.	0.2	0
90	FPGA-based BLOB Detection Using Dual-pipelining (Abstract Only). , 2015, , .		0

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91	Fall Detection of Elderly Persons by Action Recognition Using Data Augmentation and State Transition Diagram. Studies in Computational Intelligence, 2020, , 95-109.	0.7	0
92	Rubbing Character Recognition with Machine Learning. , 2020, , .		0
93	A Case Study on Rubbing Character Recognition Based on Deep Learning. , 2020, , .		0